

FIG. 1

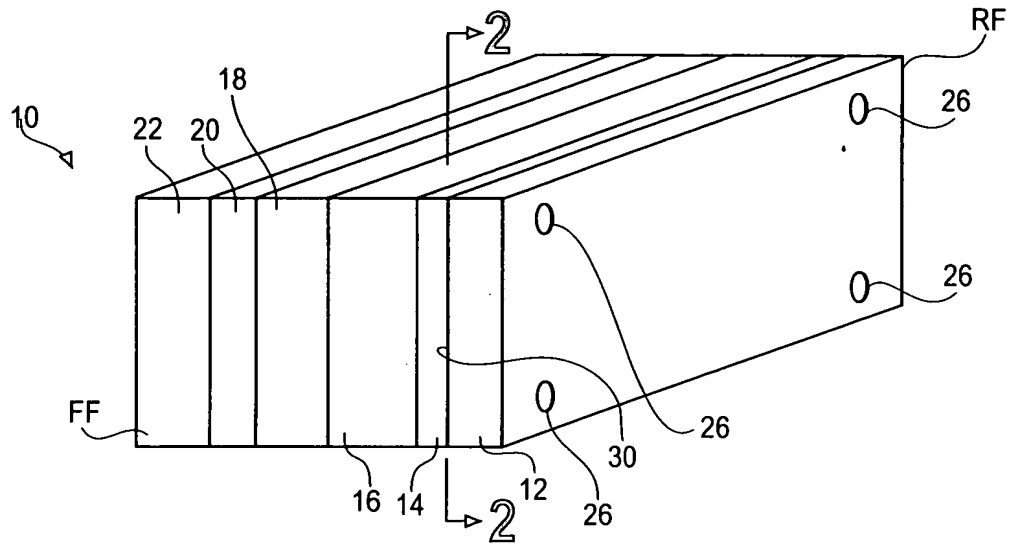


FIG. 2

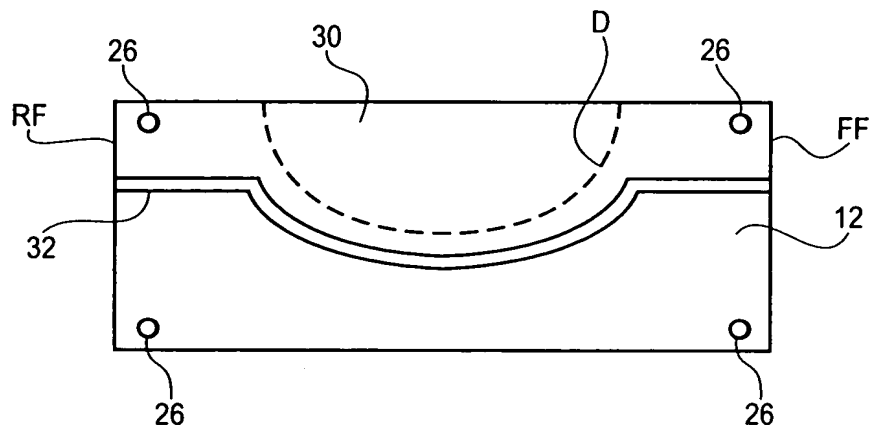


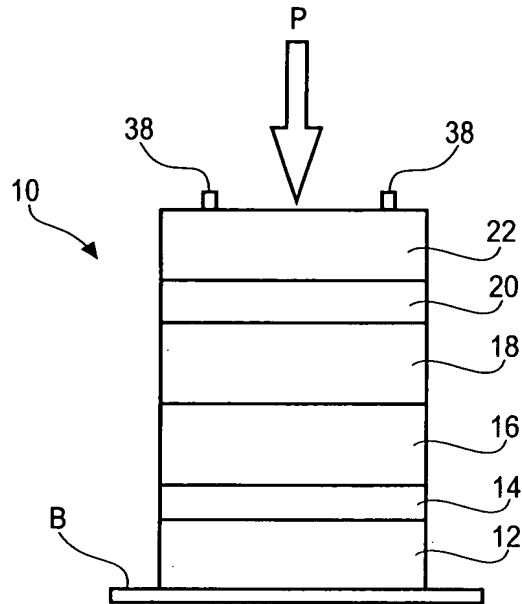
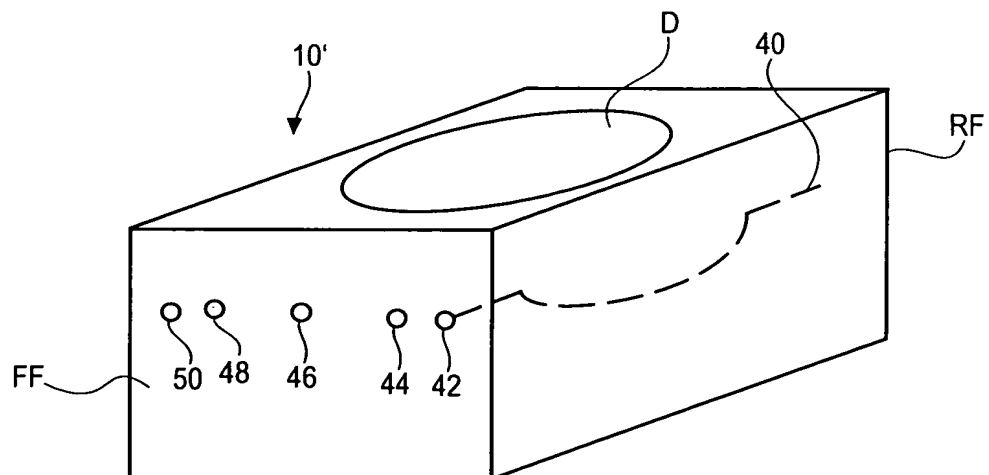
FIG. 3**FIG. 4**

FIG. 5A

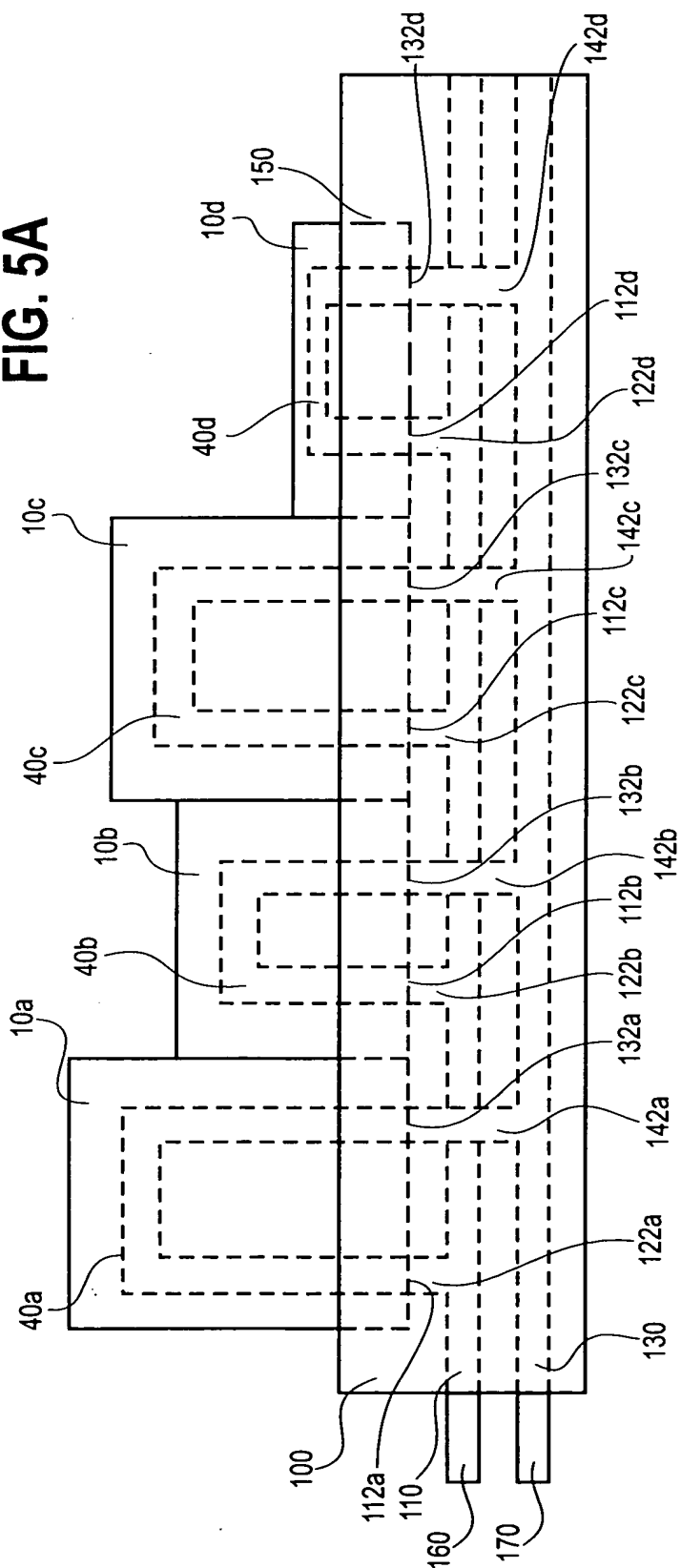


FIG. 5B

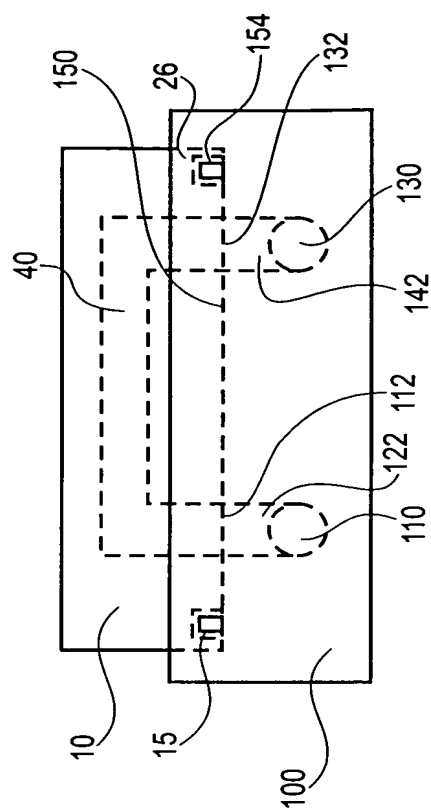


FIG. 6A

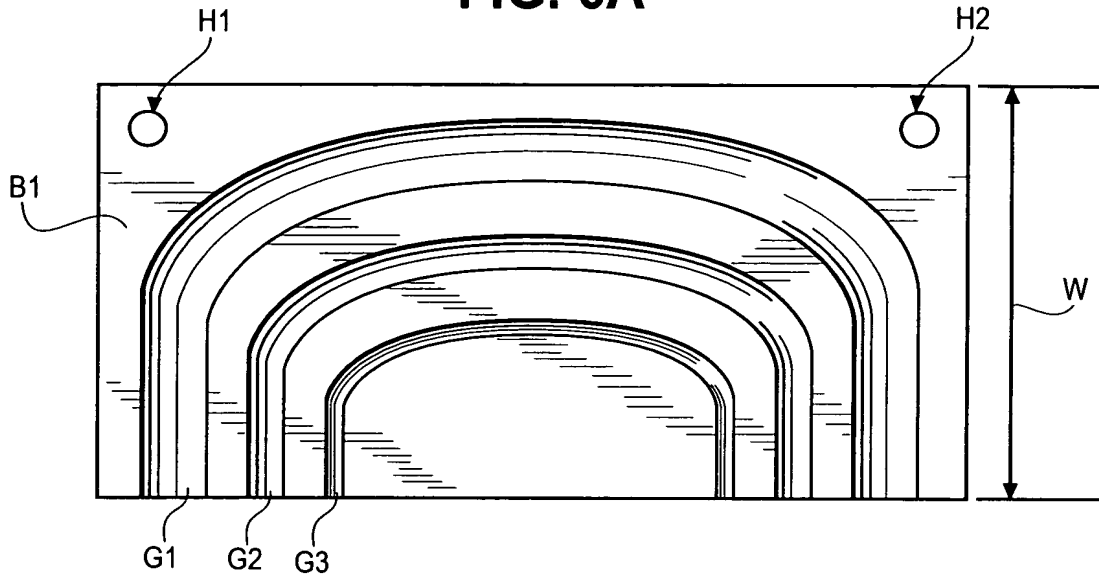


FIG. 6B

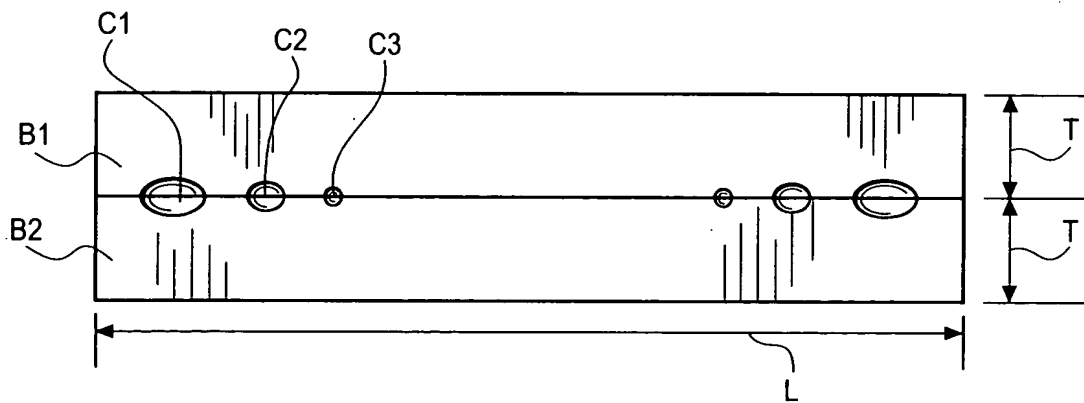


FIG. 7**BOND STRENGTH**

BOND PRESSURE, ksi	% DEFORMATION	HEAT TREATED	HARDNESS, Rc	STRENGTH, ksi
0.75	0.13	N	28	53
0.75	0.13	Y	54	45
1.5	1.5	N	30	143
1.5	1.5	Y	46	189
3.0	15.1	N	28	158
3.0	15.1	Y	46	219

S7 STRENGTH:

ANNEALED = 93ksi

HEAT TREATED = 300 KSI

S7 HARDNESS = 50 Rc

T00280" 94022860

FIG. 8A

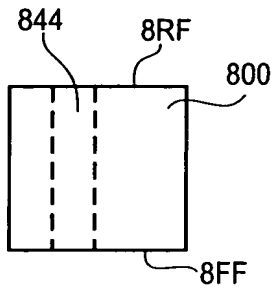


FIG. 8B

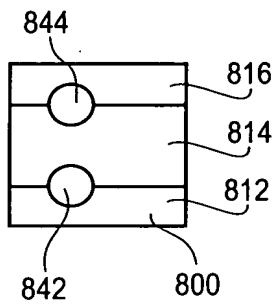


FIG. 9A

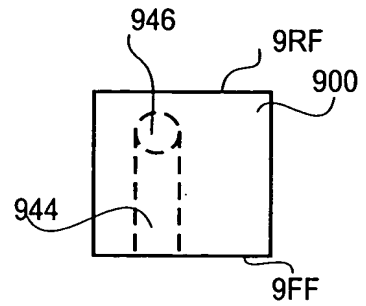


FIG. 9B

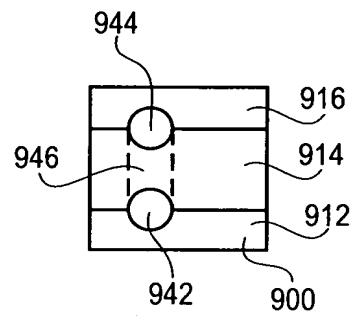


FIG. 10A

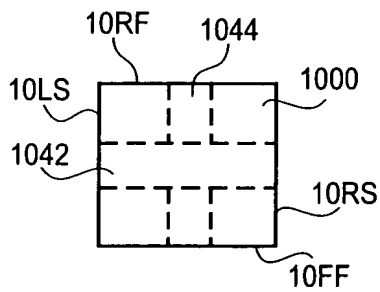


FIG. 10B

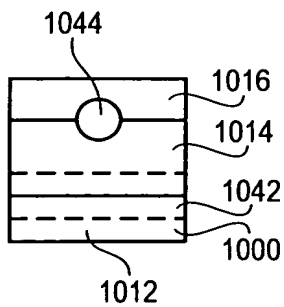


FIG. 11A

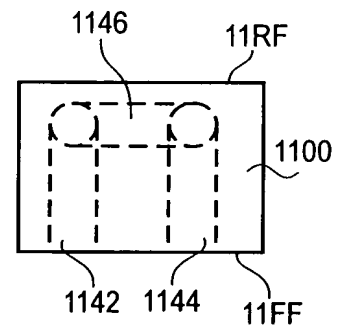


FIG. 11B

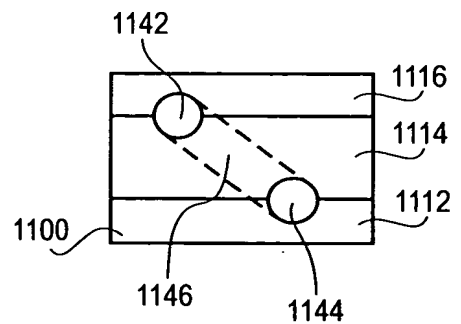


FIG. 12A

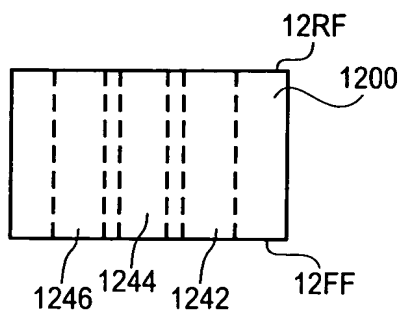


FIG. 12B

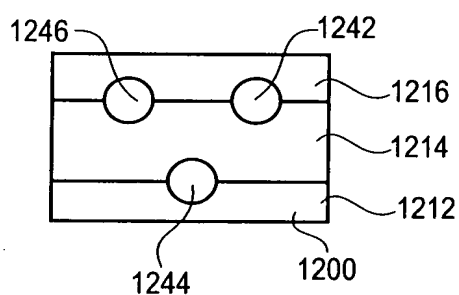


FIG. 14A

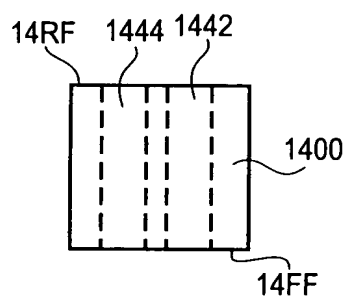


FIG. 14B

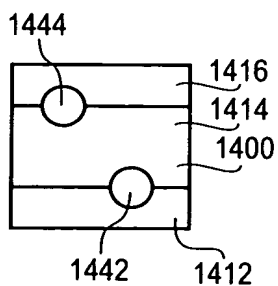


FIG. 13A

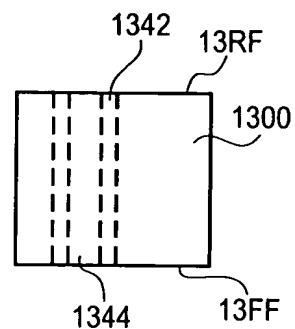


FIG. 13B

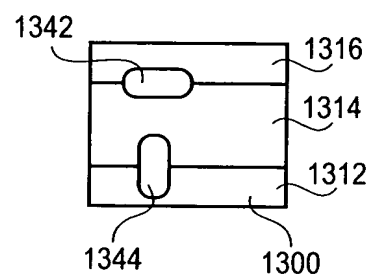


FIG. 15A

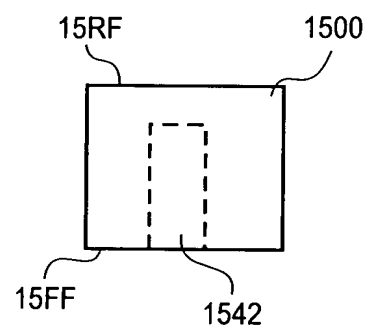


FIG. 15B

